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leteorological data gather	red for the launching	of the 19304D MLRS,	
BK 001, V01-001, and V01-0 presented in tabular form.		ID-7, V-141/MD-8 and	V-142/MD-9
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#### INTRODUCTION

19304D MLRS, Missile Numbers BK 001, V01-001, and V01-002, Round Numbers V-140/MD7, V-141/MD8, and V-142/MD9, were launched from LC-33, White Sands Missile Range (WSMR), New Mexico, at 1315:28, 1315:32, and 1315:37 MDT, 11 May 1981. The scheduled launch times were 1300, 1300:04, and 1300:09 MDT.

#### DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data was abtained by the following methods:

#### 1. Observations

- a. Surface
- (1) Standard surface observations to include pressure, temperature (C), relative humidity, dew point (C), density  $(gm/m^3)$ , wind direction and speed, and cloud cover were made at the LC-33 Met Site at T-0 minutes.
- (2) Anemometer data were provided from existing pole-mounted and tower-mounted anemometers at LC-33. Monitor of wind speed and direction from one anemometer was also provided in the launch control room.
  - b. Upper Air
- (1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

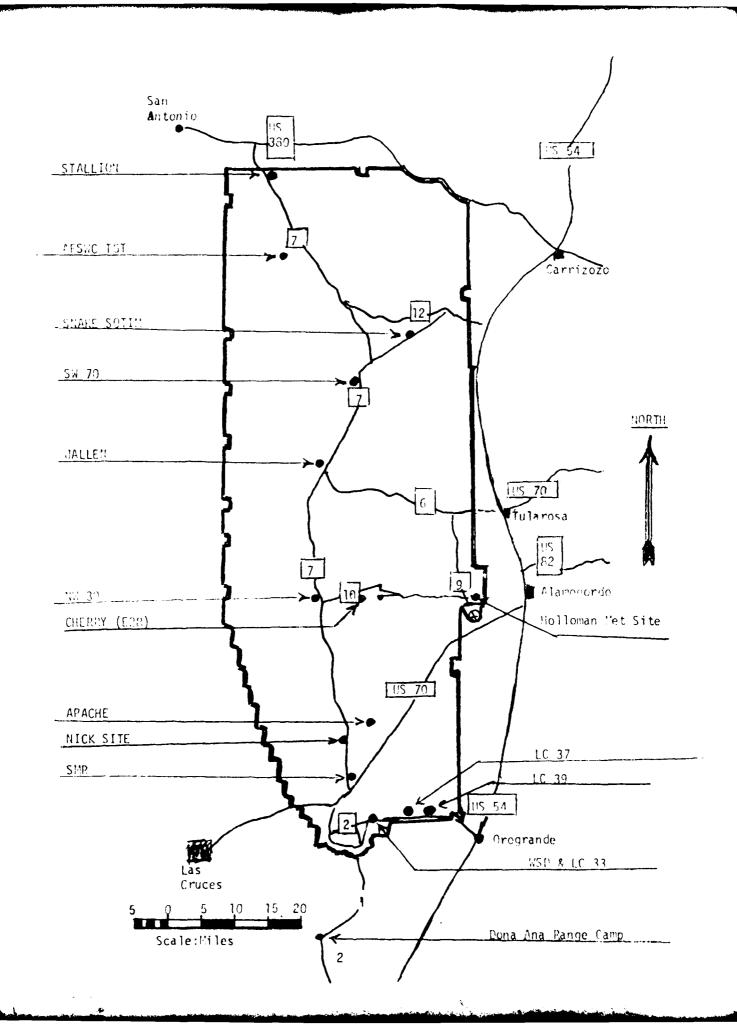
### SITE AND ALITITUDE

LC-33 2 KM NICK 2 KM

(2) Air structure data (rawinsonde) were collected at the following Met Sites:

#### SITE AND TIME

LC-37 1000 MDT WSD 1100 MDT LC-37 1200 MDT LC-37 1300 MDT



PPOJECT SURFACE OBSERVATION

TA	TARIF						S	STATION LC-33	33		
DATE 11	May 81	88	1				^	= 484 982 64	**	Y= 484, 982, 64 Y= 185, 957, 73 H= 3982.00	3982.00
TIME M D T	PRESSURE TEMPERATURE OF OC	TE:IPE:	PATURE OC	DEW POINT OF OC	1 1	PELATIVE HUMIDITY %	DENSIJY gm/m3	DI PECTION degs In	WIND SPEED kts	DIPECTION SPEED CHAPACTER VISIBIL- degs In kts kts ITY	VISIBIL- ITY
1315	876.0		27.8		6.4	. 52	1008	290	08		50
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				]							

					SUITO					
OBSTRUCTIONS	Js	t LAYE		2nd LAYER	I LAYE	2	1 3r	d LAYE	2	REMARKS
TO VISIBILITY	AMT	AMT   TYPE   HGT	1	AMT	TYPE	нат	AMT	AMT TYPE HGT	нст	
	2	SS	cs 22,000							

PSYCHROMETRIC COMPUTATION

TIME:	1315	
DRY BULB TEMP.	27.8	
WET BULB TEMP.	14.9	
WET BULB DEPR.	12.9	
DEW POINT	6.4	
RELATIVE HUMID.	26	

POLE #1 X485,87 Y185,95 H4018.7 38.7 ft	4.2) 3.90 4		POLE ** -44 5.07 -41 -, 11 -44 33.5 -53.7 it	(4.93 (2.00)		10.5. # 12.5. 17 11.6. 11 11.6. 11 11.6. ft	i 6. iu ?	
T-TIME SEC	DIR DEG	KTS	T T- VIME SEC	DIP DEG	• • • • • • • • • • • • • • • • • • • •	EC.		
T-30	298	07	T-30	283	05	T	315	09
T- <u>.'')</u>	289	07	T-()	273	. 06	T - : .	309	08
T-10	288	09	T-1	294	06	T	295	06
T <u>o</u>	287	07	To.e.	293	05	Τ	297	09
T-10	298	09	T+10	283	03	T · · · )	280	09

TABLE 3 LC-33 METEOROLOGICAL TOWER AND MORE IT MEASURED WIND, (202 FT TOWER)

LEVEL #1, 1. X484,982.64		73, H3983.00 (hase)	LEVEL #1: , X484.97.1.	62 FEE' (1, (155,57,73,	(18903.00 (base)
T-TIME SEC	DIR DEG	SPEED KT	T-1111 %	o bio hes	1615 875
T = 3()	300	06	T-30	290	10
T - 20	315	06	T-20	286	10
T - 10	314	09	T-1-)	292	11
To <u>.o</u>	293	08	T ).0	287	11
T+10	275	07	T+10	277	10

1EVEL #3, 10 X484,982.64	02 FEET , Y185,057.7	3, H3983.00 (base)	LEVEL #4, X484,992,		3997. 11 (balle)	
T-TIME SEC	DIR DEG	SPEFO MTS	T-1144 11	CONTRACTOR OF G	SECTION TO	1
T-30	288	09	<b>T-</b> 0)	291	10	
T-20	282	10	<b>T-</b> 20	281	10	
T-10	278	10	T-1"	251	12	
T().0	275	09	<u>To.</u>	264		
T+10	268	09	T+1:1	260	09	

## THIME PILOT-BALLOON MARKET WIN OWY

# DATE 11 May 1981

SITE: LC-33

TIME: 1315 MDT

LISTY COOPERIMATES:

 $\chi \approx 485,135.76$ 

<sub>y=</sub> 185,919.24

3988.57

GITE: NICK

TIME: 1315 MDT

A THE CONTRACTOR

<sub>7±</sub> 470,734.56

 $\gamma = 255,775.64$ 

4126.57

LAYER MIDROINT METERS AGE	DIRECTION DE WEES	SPEED ENDIS	LAYED HICENALS	nisentien. Dromak	1051
SCOUNT F	290	08	SUPPACE	229	03
150	282	13	Jio	252	80
21"	273	18	: 1·1	255	10
27%	272	19	27.	257	12
330	273	18	33+	258	13
39.1	269	16	3 . \	258	14
5m ·	258	14	$f_{ij}$ , e. V	256	14
	276	10	$\mathcal{E}(\zeta_{i})$	255	13
· 4.5	262	16	500	258	11
$(\mathcal{M}_{n_k})$	254	18	900	263	10
17.0	252	17	1150	274	80
136.1	252	19	1350	276	09
155	254	21	1550	272	11
1750	254	23	1752	271	11
2000	261	23	2000 170	263	10

Data abtained from RAPTS T-9 radar Tracked Pilot-Balloon

Data obtained from Single Theodolite Tracked Pilot-Balloon

# AIMING AND T-TIME COMPUTER MET MESSAGES 11 May 1981

LC-37 1000 MDT	WSD 1100 MDT	LC-37 1200 MDT
METCM1324063	METCM1324064	METCM1324063
11160012 <b>4</b> 877	111700122878	111800124876
00284006 29510877	00284009 29940878	00320006 30080876
01324008 29220866	01295012 29760868	01334008 29770866
02349009 29080841	02320010 29410843	02339010 29460841
03483014 28870803	03465011 28940805	03363011 29100803
04497022 28500765	04501021 28570758	04453012 28620757
05502024 28030712	05500026 28140714	05451018 28140713
06489021 27630670	06495023 27730672	06479018 27650670
07479023 27280629	07490022 27300632	07484032 27250630
08474023 26900591	08503025 26920593	08489030 26940592
09462025 <b>265205</b> 55	09486027 26600557	09469035 26710555
10469029 26190520	10466032 26390522	10468032 26390521
11466030 25810487	11473033 25950489	11473036 25980488

SIGNIFICANT LEVIL DATA	1310180079	LC-37	TABLE 6
	STATION ALTITUDE 4051.37 FEET MSL	11 MAY 81 1000 IRS MIT	ASCENSION NO. 79

%£0DETIC COORDINATES
32.40175 LAT \u20e466
106.51232 LON \u20e466

PRESSURE	L GEOMETRIC	TEMPERATURE	REL . HU
	ALTITUDE	_	PERCEN
MILLIDARS MSL FEET	MSL FEET	Ä	

051.4 421.4 421.4 421.4 421.4 5210.3 5211.9 9722.7 715.8 715.8 715.8 701.3 701.3 700.2	PRESSURE WILLIBARS	GEOMETRIC ALTITUDE MSL FEET	TEMPERATURE AIR DEWPOIN DEGREES CENTIGR	RATURE DEWPOINT CENTIGRADE	REL.HUM. PERCENT
18.5 16.6 16.6 16.5 17.8 17.8 17.8 17.8 19.9 10.3 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7		4051.4	21.0	5,2	31.0
16.6 16.5 16.5 17.8 17.8 17.8 17.8 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7 11.7		4161.2	18.5	2.4	34.0
16.9 16.5 17.8 17.8 17.8 17.8 11.9 11.9 11.9 11.9 11.9 11.9 11.9 11.9 12.9 13.3 13.3 13.3 13.3 13.3 13.3 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13.0		4913.3	16.6	1.9	37.0
16.5 12.8 13.4 13.4 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5 10.5		5421.4	16.9	٦.	52.0
12.8 5.4 1.5 1.5 1.5 1.5 1.5 1.5 1.5 1.5			16.5	-1:1	•
5.4 -13. -136 -19. -10.3 -19. -10.5 -19. -13.3 -29. -13.3 -31. -27.8 -38. -36.1 -38. -36.1 -38. -36.1 -41. -40.3 -41.		7540.1	12.8	9.6-	20.0
.6 -196 -198 -10.3 -197 -13.3 -291 -26.7 -381 -30.1 -385 -35.3 -416 -40.3 -48.		•	5.4	-13.5	24.0
10.3 128. 10.3 128. 110.5 129. 12. 13.3 129. 11. 13.3 131. 12. 130.1 138. 13. 130.1 138. 13. 130.1 138. 13. 130.1 138. 13. 140.3 140.			••	-19.5	21.0
.4 -10.3 -293 -76.7 -311 -27.8 -380 -31.7 -385 -35.3 -415 -46.3 -46.			-1.7	-19.6	0.42
.2 -10.5 -293 -26.7 -311 -30.1 -365 -35.3 -415 -36.4 -46.		•	-10.3	-28.9	20.0
.3 -7 -13.3 -31. .1 -26.7 -36. .1 -27.8 -38. .0 -31.7 -38. .5 -36.4 -46. .6 -40.3 -46.		_	-10.5	-29.0	0.0>
.3 -26.7 -38. .1 -27.8 -38. .0 -31.7 -38. .5 -35.3 -41. .2 -40.3 -46.		•	-13.3	-31.4	•
.1 -27.8 -38. .0 -31.7 -38. .5 -35.3 -41. .2 -40.3 -46.		•	-26.7	-36.1	33.0
.0 -31.7 -38. .5 -35.3 -41. .2 -40.3 -46. .9 -41.5 -49.		-	-27.8	-38.2	36.0
.6 -31.7 -38. .5 -35.3 -41. .2 -38.4 -46. .1 -40.3 -48.		5443.1	-30.1	-36.8	45.0
.5 -35.3 -41. .2 -38.4 -46. .1 -40.3 -48. .9 -41.5 -49.		6301.0	-31.7	-38.8	U•6ħ
.2 -38.4 -46. .1 -40.3 -48. .9 -41.5 -49.		7602.5	-35.3	8.14-	51.0
.1 -40.3 -48.		-	-38.4	0.04-	0.44
.9 -41.5		-	-40.3	-48.6	0.04
•		-	-41.5	1.64-	40.0
C•10.		Jn787.3	-43.9		

OEODLIIC COOKDINATES 32.4Π175 LAT DEG 106.31232 LON DEG	INDEX OF REFRACTION	1.000254	1.000262	1.000257	1.000249	1.000242	.00023	.00023	•	•	.00021	.0005	•	1.000207	1 - (10/11/20)	1.000290	1.000196	1.000192	٦٠	٠.	-	1.000180	_	1.00017	-	-	_	1.000160	1.000157	1.000154	1.000152	1.000149	1.000147	1.000145	1.000142	1.000140	1.000138	1.000136	1.000154	1.000132
JE00E11 32. 106.	JA SPEFU KUOTS	6.0	6.4	5.3	7.1	9.7	13.4	17.0	19.0	21.0	55.6	23.9	N (	600	1.00	21.6	22.4	1.4%	100	# # # # # # # # # # # # # # # # # # #		14.0	73.5	6.45	26.0	56.4	56.9	57.9	28.8	20.5	29.7	30.2	30.A	31.6	32.2	32.8	33.00	1.40	35.5	36.7
	WIND DATA DIRECTION S DEGREES(TM) N	160.0	186.7	221.5	24440	258•1	68.	74.	577.9	7.08S	0.585	283.0	7.202	2,042	1.012	275.9	214.0	273.4	0.2/2	270.8	6.007	2,002	2020	261.1	258•8	559.0	259.2	<00.00×	501.0	205.7	263.8		_	7.67	201.0	20102	762.0	203•1	A• hq?	20p.5
91 A 1 A	SPEED OF SOUND KNOTS	669.3	665.4		664.3	663.2	6-199	9.099	059.4	657.8	656.2	654.0	653.0	651.4	K+K+0	648.7	7.70	640.1	N. ++0	543.0	0.240					034.1				629.4	628.0	626.3	054.0	622•8	621.1	619.4	617.6	•	614.1	015.4
UPPER AIR DAT 1310180079 LC-37 TABLE 7	DENSITY GMZCURIC METER	1034.6	1030.2	1015.5	997.3	982.7	968.9	955.3	941.9	929.2	916.7	h•h06	8.25.0	# · 0 G P	0.900	5.56	842.6	830.1	6.716	305.6	78.	9-10/	75A . 4	747.0	735.9	724.9	714.0	702.5	2.069	0.089	669.5	9•629	8.649	$640 \cdot 1$	630+6	621.3	612.2	50	594.3	3
	REL.HUM. PERCENT	31.0	35.4	36.1	31.5	28.6	25.8	23.0	20.2	20.7	21.4	22.2	V	2.0.00 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.0000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.000 2.00	100	0.00	24.0	21.0	0.12	5 C	0 4 6	0.150	22.5	22.0	21.4	50.9	20.4	20.0	20.0	20.0	20.1	21.4	22.8	54.5	25.6	56.9	28.3	29.1	31.1	32.4
7 #5L 10 T	TEMPERATUPE R DEWPOINT LES CENTIGRADE	3.2	•	1.6	•	-2.5	-4.5	-6.8	Ġ	-10.2	6.01.	-11.6	**************************************	1.011		# · · · · ·	0.01	) · / · / · /	7 6 7 1	561-	C • 6.T -	8 1 C -	-23-1	-24.3	-25.6	-26.8	-28.0	-59.0	-50.6	-30.5	-31.4	32	-32.5	33.	-33.8	34	-35.3	9	-36.9	-3/•/
4051・37 FEF1 1000 :IRS 桁 ・9	TEMF AIR DEGRLES	21.0	17.6	16.7	16.8	16.0	14.9	13.9	12.9	11.5	7 0 °		•	7.0	•	0 0		1.1	Ç. =	1 -	5 1 1	12.0	0	-6.1	-7.2	4.8-	5.6-	-10.4	-111.1	-12.2	-13.4	-14.8	-16.2	-17.6	-14.0	-50.5	-21.9	123.5	-24.7	-26.1
ر و	PRESSURL MILLIBARS	870.5	962.6	847.4	832.4	817.5	802.9	780.6	(74.)	700.4	0 0 7 6 7	7.55	70.5	600.5	9 104	667.9	655.5	66.5	641.9	20160	607.4	595.7	584.2	573.0	562.0	551.2	9.0%	530.1	7.610	0.400	# 66# # 66#	5.684	かったんか	1.69.	460.1	450.B	4.1.0	436.	<b>1</b>	2
STATION ALTITU 11 MAY 81 ASCENSION NO.	GEUMETRIC ALTITUDE MSL FEET	4051.4	4500.n	2000.0	5500.0	J•000a	0.500.0	2000-0	7500.0	0.0000	0.0000	0.0006		0.0001		11000.0	0000	1.5500.0	1 4000	13500.0	0.0001	14500.0	15000.0	15500.0	•	500	17000.0	17500.0		1.4500.0	19000.0	_	_	_		<1500.0	000	0.00622	23000•0	7.5500.0

STATION ALII. 11 MAY 81 ASLENSION NO	STATION ALIITUDE 4051.37 FEET MSL 11 MAY 81 1000 HRS MDT ASLENSION NO. 79	51.37 FEE	ET MSL MDT	- <b>r</b> -	UPPER 11: DAIA 1310100079 LC-37 TABLE 7 CON'T	A 1.7		0£00£11 32. 196.	JEOUETIC COORDINATES 32.44175 LAT LEG 196.31272 LON LEG
GEUMETRIC ALIITUDE MSL FEET	PRESSURE MILLIUARS		TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION SP DEGREES(TH) KN	TA SPEED KNOTS	INDEX OF REFRACTION
24000 · P	400.7	-27.2	-38.1	34.3	575.9		200.2	58.9	1.000130
24500.0	390.2	-28.0	-38.2	36.6	565.9		206.3	6.04	1.000127
25000.0	389.9	-29.1	-38.5	39.5	556.5		266.7	45.6	1.000125
0.00347		-30.2	-38.8	42.5	547.2		6.597	43.9	1.000123
25000.0		-31.1	-38.8	46.5	537.6		263.7	44.8	1.000121
26500.0	365.6	-32.3	-39.3	49.3	528.6	2.400	202.4	45.2	1.000119
27000.0		-33.6	1.01-	50.1	520.3		3.192	45.5	1.000117
27500.0		-35.0	-41.6	50.8	512.1		263.3	44.3	1.000115
2.4000.0		-36.2	-43.1	6.84	503.7		565.5	43.3	1.000113
28500.0		-37.4	L-44-7	46.2	495.3		260+1	45.1	1.000111
0.00067	327.8	-38.6	-46.3	43.6	486.9		700.4	47.0	1.000109
0.00562	320.7	-39.7	T-47-7	41.3	478.4		505.9	46.5	1.000107
300000	313.6	6.04-	-40.1	0.04	470.3				1.000105
30500.0	306.7	-42.4	-54.5	25.7**	462.B				1.000103

\*\* AT LEAST ONE ASSUMED RELATIVE HUMINITY VALUE WAS USED IN THE INTERPOLATION.

C. C. L. KELOKOKOKO ....

GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG	4	IN) KNOTS		14.2	22.2	23.0	25.1	19.1	4.92	9.62	32.8	40.5	の・オオ	
	1 M	DECKELS (TN)	215.9	270.4	281.6	279.5	272.9	267.3	259.0	263.8	261.2	266.3	263.3	
2 vels 79	REL . HUM.	ובארנואי	37.	25.	21.	24.	21.	23.	21.	20.	27.	36.	51.	
MANDATORY LEVELS 1310180079 LC-37 TABLE 8	ERATURE	DEGREES CENTIGRALE	1.9	6.5-	-10.7	-13.5	-18.4	-21.4	-26.9	-31.4	-34.6	-38.2	-41.6	
Σ	TEMP	DEGREES	16.6	14.7	10.5	5.4	1.2	-3.4	-8.5	-13.3	-20.6	-27.8	-35.0	-43.9
7 MSL HDT	PRESSURE GEOPOTENTIAL	FEET	4910.	<b>•</b> 0099	8376.	10242.	12213.	14307.	16543.	18946.	21541.	24356.	27461.	30926.
DE 4051.37 FEET MSL 1000 HRS MDT 79	PRESSURE 6	MILLIBANS	850.0	801.08	150.0	200.00	650 • n	<b>0∙</b> 009	550°D	500.0	450.0	U•€04	350.n	300.00
STATION ALTITUDE 11 MAY 81 ASCENSION NO.														

\*\* A! LEAST ONE ASSUMED RELATIVE HIMIDITY VALUE WAS USED IN THE INTERPOLATION.

GEODETIC COORDINATES 32.40043 LAT DEG 106.37033 LON DEG		
UATA	MERCENT 36.0 25.0 21.0 27.0 24.0 18.0 18.0 18.0 24.0 30.0	
SIGNIFICANT LEVEL 1 1310020332 WHITE SANDS FABLE 9	TEMPERATURE AIR DEWPOINT GREES CENTIGRAUE  4.8 B.7 6.7 -14.0 6.7 -14.9 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -27.0 6.7 -	
SIGNIFIC 13 WHI TABLE 9	DEGREES  TEMPE  1.1. 20.0 A TEMPE  1.2. 2. 3. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	-55.9
MSL T	E GEOMETRIC ALTITUDE 3989.0 4908.5 10277.5 113805.3 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16518.8 16618.8 3564.5 3564.5 3564.5 43192.4 42166.2 43192.4 42166.2 43192.4 43192.4 43192.4 43192.6 62181.6 65355.5 65365.5	68314.2
STATION ALTITUDE 3989.00 FFET MSE 11 may 81 pl 00 p.RS P.DT ASCENSION NO. 332	PRESSURE E.77-8 550-0 700-0 430-8 550-6 550-6 550-6 550-6 550-6 550-6 550-0 100-0 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8 114-8	50.0

STATION ALTITUDE 11 MAY 81 ASCENSION NO. 3	w)	3989.n0 FE.T MS 1100 HRS MOT 2	T MSL MDT	_ , -	UPPER AIM DAI 1310020332 WHITE SANDS TABLE 10	<		1	DETIC COORDINATES 32.40043 LAT DEG 106.37033 LON DEG
GEUMETRIC ALTITUDE MSL FEET	PHESSURE MILLIDARS	TEMP AIM DEGMLES	EMPERATURE Dewpoint ES centigrade	REL.HUM. PERCENT	DENSITY S GM/CUBIC METER	SPEEU OF SOUND KNOIS	MIND DATA DIRECTION SF DEGREES(TM) KP	TA SPEEU KNOTS	INUEX OF REFRACTION
1989.	87/48	8-46	7-8	36.0		6.7m - 1	160.0	0	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
4000-0	877.5		4	20.0	1001		0.001	0 0	0120001
4500.0	862.0	20.5			1013 1	0.470	25.4	0 1	
0.000	847.5	20.5		24.0	1000	1.1/0	9.071		•
0.0000	832.0	2.51	1	, ,	0.000	666.4	170•3	0.0	1.000245
	817.1	17.9	٠	24.5	975.9	665.3	0.0EV	3	10000
•	802.5	16.5	2.4-	23.8		663.8	263.1	11.7	0002
	784.1	15.2	-5.5	23.4	950.1	662.2	273.6	15.5	
•	774.0	13.9	<b>-6.8</b>	23.1	937.5	660.7	278.0	•	0005
•	1.09/	12.6	-8-	22.7	925.0	659.1	280.2	20.6	1.000221
•	C•04/	11.3	4.0	22.3	_	657.6	580.9	22.1	1.000217
90000	735.1	10.0	ċ	22.0	9.006	650.0	580.9	23.6	1.000213
•	720.0	•	å	21.6	988.6	654.5	260.7	25.1	1.000210
•	1.0/	*	13	21.2	876.9	652.9	280.0	25.3	1.000206
10500.0	2.469	6.1	;	21.5	865.0	651.4	279.3	25.3	1.000203
11000.0	681.2	<b>8</b> • <del>1</del>	÷.	25.6	853.0		279.0	23.8	1.000200
11500.0	9.299	3.4	ŝ	23.6	841.2		577.9	22.4	1.000197
12000.0	650.1	2.1	16.	24.7	829.6	2.949	2.472	21.0	1.000194
12500.0	643.9	æ, ·	ů.	25.8	818.1	645.1	273.6	20.8	1.000191
15000.0	631.9	9.		56.9	806.9	643.5	275.B	21.6	1.000188
13500.0	620.0	-	ė	26.4	794.3	645.4	281•2	22.8	1.000184
14000-0	5000	ċ	-19.0	26.7	762.3	641.5	284.7	23.A	1.000161
14500.0	590.5	-3.9	-19.5	28.4	771.1		263.1	23.9	1.000179
15000.0	585.1	-5.2	-20.0	30.2	760.1	637	281.3	25.0	1.000176
15500.0	5/2.4	9.0	-20.5	31.9		630+3	278.8	26.3	1.000173
10000.0	595	6.7	-21.1	33.6	738.7	634.7	275.3	28.0	1.000171
6500·	0.550	?•/-	1-72-	18.7	723.1	635.3	270.4	29.5	1.000105
0.000/1	C • T • C	0	2.12-	13.0	707.9		265.1	31.1	သံ .
0.00011	9.000	9.0	, c	18.0	8.7.9	20.	263.6	51.4	•0001
18000.0	**02c		24.5	ž (	687.B		262.3	31.8	1.000156
•	510.3	11.1	ġ	18.0	8,		203.6	32.2	.0001
0.00064	0000	C•21-	7	<b>x</b> ) (	ۍ ا	629.1	504.9	32.5	.00015
•	C*06#	13.3	32.	19.2	•	627.5	205.0	33.2	.00014
200002	2000	1.51-	32	0	6.849	652.9	5.66.5	33.9	1.000147
20500-0	6.074		33	~	36.	5-4-59	205.6	34.3	<b>*</b>
21000.0	461.3	-17.8	33	22.7	Ġ	622.6	6.497	34.7	1.000142
<1500.h	455.0	19.1	34	€0.	Ġ	-	265.0	34.6	*
	0.044	•	-35.3	S	9.019	619.3		•	1.000138
22500.0	434.1	-21.8	-36.0	26.3	601.5	617.7	267.1		
.3000.0	453.2	-23.1	-37.0	56.6	592.3	616.1	2.692	34.5	1.000133

GEODETIC COOMDINATES 32.40043 LAT DEG 106.37033 LON DEG	INUEX OF KEFRACTION	1.000131	0001	00012	00012	.00012	1.000120	.00011	1.000116	.00011	1.00011	1.000109	1.000107		1.000103	1.000101	1.000099	•	•		1.000093	1.000001	1.000089	1.000088	1.000086	1.00005	1.00001	1.000001	1.000078	1.000076	1.000075	1.000073	00007	1.000070	1.000008	1.000006	1.000065	1.000003	1.000062
6E0DET1 32• 106•	SPEED KNOTS	35.7	36.9	38.2	39.8	42.0	0.44	# S #	46.5	# Q .	40.7	49.0	49.3	49.6	6.64	50.2	52.9	56.5	59.8	65.9	65.2	6.99	68.4	66.99	600	2000	• 0 u	58.6	70.1	67.8	65.5	65.5	66.3	67.4	68.8	70.3		68.5	67.1
	MIND DATA DIRECTION S DEGREES(TN) KI	271.6	273.3	273.8	274.0	273.7	272.9	271.6	2.0.4	5.602	267.9	267.5	565.9	564.5	203.9	564.0	764.4	264.7	264.5	264.5	264.5	265.3	206.0	255.5	0.192	1.107	25.7.1	267.5	207.8	268.3	268∙8	269.5	569.6	269.7	569.6	h+697	6.84.7	4.042	267.8
25. 25. 00. 17. 00.	SPEEU OF SOUND KNOTS	614.6	613.1	611.5	610.1	608.6		_	_		0.100 0.003								587.7			583.2				0.110				572.8	572-1	571.4	570.9	570.7	570.4	570.9	571.5	571.1	570.5
UPPER AIM UATA 1310020332 WHITE SANUS FABLE 10 CON'T	DENSITY GM/CUBIC METER	583.0	573-н	564.7	555.2	546.0	536.9	527.9	519.2	510.5	1.200	485.6	477.6	4.69.7	461.8	454.0	446.1	438.2	430.4	455.8	415.3	408.0	6.004	393.6	386.6	37.4.6	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	357.1	3.045	342.1	334.9	327.B	320.5	313.2	306.0	298.2	290.5	283.9	2/8.1
ے د	REL.HUM. PERCENT	25.7	24.8	24.0	54.6	25.1	25.7	26.3	20.0	2/•4	, v.	29.0	29.6	27.0**	-	2.1**																							
II MSL	TEMPERATURE AIR DEWPOINT EGREES CENTIGRADE	-38.4	-39.8	-41.1	-41.9	-42.8	-43.6	す。 す: す:	2.0.	1.00	140.4	-48.6	5.64-	-51.3	-57.5	-72.3																							
3989.00 FEET MSL 11 00 1185 1491 2	TEMF AIR DEGREES	-24.3	-25.6	-26.8	-27.9	-29.1	-30.3	-31.4	152.0	1000	1.96.1	-37.3	-38.4	-39.6	-40.8	-42.1	-43.3	a. ta-	-45.6	-46.7	6.24-	0.64	2.06-	-51.4	10240	133.0		15.00	-50.4	-56.9	-57.5	-58.0	-56.4	-58.6	-58.8	-56.4	-58.0	-58.3	-58.4
1 <sup>UDL</sup>	PRESSURE MILLIUARS	410.		399.	390•		374	365.		ייי ני	330	**7	m	m	ריי		••			•		•	•	• .	• • •	•			•	••		••			_				_
STATION ALTITUDE 11 MAY 81 ASCENSION NO. 33	GEUMETRIC ALTITUDE MSL FEET	23500•0	24000.0	24500.0	25000.0	25500.0	200000	25500.0	2700000	2.500.6	7.3500.0	29000.0	29500 · n	34000.0	30500.0	31000.0	31500.0	32000.0	32500.0	53000.0	33500.0	34090.0	0.00545	0.00000	32200.0	34.500.0	37000-0	57500.0	340000	38500.0	39000.0	39500.0	40000.0	40500.0	÷1000+	41500.0	42000-6	42500.0	43000+1

\*\* AT LEAST ONE ASSUMED RELATIVE HHAIDITY VALUE WAS USLU IN THE INTERPOLATION.

DETIC COOKDINATES 32,40043 LAT LEG 106,37033 LON DEG	INLEX OF HEFRACTION	1.000061	1.000059	1.000058	1.000056	1.000055	1.000054	1.0000.1	1.000050	1.000049	1.000048	1.000047	1.000046	1.000045	1.000044				1.000040	1.00003				1.000034	1.000033	1.000032	1.000031	1000001	0000001	1.000029	1 0000.0	1.000028	1.000027	1.000026	1.000026	1.000025	1.000024
0E0DETIC 32.40 106.37	TA SPEED KNOTS	64.8	62.5	60.7	59.5	57.6	56.3	53.7	50.00	51.1	46.8	48.6	47.3	46.0	44.7	<b>m</b> 1	£ 0.	0 t	7.05 7.05	0 ×	31.0	27.0	24.1	21.2	19.2	18.5	17.9	5.01	70.7	21.1	* * * * * * * * * * * * * * * * * * * *	20.00	21.4	20.1	19.0	18.7	18.3 16.6
	WIND DATA DIRECTION S DEGREES(IN) KI	46764	267.0	260∙8	266.5	50007	256•1	265.44	262.9	260.0	260.7	267.6	269.5	269.5	270.7	271.2	2/1.4	2/1.7	2/2.6	275.0	277.0	279.7	278.5	270.6	273.0	207.0	2500.7	0.162	2.002	200.00	0.757	757	255.7	259∙6	263.8	565.4	267.1
22. 22. 30. T	SPEED OF SOUND KNOTS	569.8	9•699	8.695	8•695	269·8	569.9	570.0	3.000	568.6	567.8	567.1	566.3	565.5	264.7	564.0	264.0	564.5	565.1	565.6	568.4	569.3	570.2	571.1	572.0	572.3				568.1	0.000	266.0	565.2			568.5	569•U 568•b
UPPER AIK DATA 1310020332 WHITE SANDS FABLE 10 CON'T	DENSITY GM/CUBIC METER	271.7	265.3	258.9	252.7	240.7	240.8	229.0	224.5	219.4	214.7	210.1	205.6	201.2	196.8	192.6	187.9	183.0	1/8.2	160	163.6	159.2	154.9	150.8	146.7	143.0	140.1	137.53	C. P.C.	131.8	1.63.	125.8	120 B	117.8	114.6	110.9	108.0 105.6
J F	REL.HUM. PERCENT																																				
3989.00 FEET MSL 11 On HRS 1.DT	TEMPERATURE AIR DEWPOINT DEGREES CLNTIGRADE	-59.5	-59.2	-59.2	-59.2	159.2	159.2	1.00-1	-59.6	-60.1	-60.7	-61.3	-61.9	-62.4	-63.0	-63.6	-63.b	-63.2	162.8	**************************************	50 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	-59.6	-58.9	-58.3	-57.6	-57.3	158.1	1,00.1	1.00	561.3	2 - 10 1	1000	-62.7	-62.6	-62.0	-60.2	-59.8 -60.1
TUDE . 53	PRESSURE MILLIBARS	160.9	162.9	159.0	155.2	151.5	7 * / * T	140.9	137.5	134.2	130.9	127.8	124.7	121./	110.7	115.9	11001	110.5	0.701	107.50	100.0	91.6	95.3	93.0	90.9	98.0	C•98	• • • • • • • • • • • • • • • • • • • •	7 3 6 6	74.5	2.4	0.7	73.0	71.2	69.5	67.8	60.2 64.6
STATION ALTITU 11 MAY B1 ASCENSION NO.	GEUMETRIC ALIITUDE MSL FEET	43500.0	4.000th	44500.0	•	•	0.00004	470000	47500.0	48000.0	48500.0	0.00057	49500.0	200000	202000	51000.0	0.00515	0.0005c	0.00052	350000	0.00040	54500.0	55000.0	55500.0	0.00000	25500.0	0.00075	3.000.0	O DOLOG	7.00000	2000000	0.0000	0.00000	0.0001a	01500.0		62500.0 63000.0

OD FEET MSL 1310020332 TO HRS MDT SANDS TABLE 10 CON'T 106.37033 LON DEG	TEMPERATURE REL.HUM. DENSITY SPEED OF WIND DATA INDEX AIN DEWPOINT PERCENT GM/CUBIC SOUND DIRECTION SPEED OF GREES CENTIGRADE METER KNOTS DEGREES(IN) KNOTS REFRACTION	66.4 103.2 568.2 264.2 11.6 1.000023 159.9 100.8 568.2 255.5 6.7 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.9 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.9 2.0 1.000022 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0 259.0
STATION ALTITUDE 3989.00 FEET MSL 11 MAY 81 ASCENSION NO. 532	SSURE TEMPERATURE REI AIN DEWPOINT PEY IDARS DEGREES CENTIGRADE	150.4 159.9 159.4 158.3 158.3 157.3
111UDE 3980 1 NO. 532	PRESSURE MILLIBARS 8	66 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
STATION AL	SEJAETRIC ALITUDE MSL FEET	6.5500.0 6.4500.0 6.4500.0 6.5500.0 6.000.0 6.7000.0 6.7500.0

STATION ALTITUDE 11 MAY 81 ASCENSION NO. 33	)c 3989.00 FFET ⊌SL 1 NO HRS MBT 532	r ⊬SL Ør	¥ ⊬	MANDATORY LEVELS 1310020332 WHITE SANGS	EVELS GR GS GS		GEODETIC COORDINATES 32-40043 LAT LEG 106-37033 LON DEG
	PRESSUILE GE	PRESSUILE GEOPOTFINTIAL	TEMP	TEMPERATURE	REL.HUM.	UNI M	0A1A
	MILLIBARS	FEET	Ś	CENTIGRADE		DEGREES(TN) KN	I) KNOTS
	850.0	4905.	20.7	0:1	25.	192.2	8.0
	800.0	6608.	16.3	オ・カー	24.	266.5	12.7
	750.0	8392.	11.7	1.6-	22.	280.7	21.8
	200.00	10267.	6.7	-14.0	21.	279.6	25.3
	650+0	12244.	1.4	-16.3	25.	272.4	20.4
	0.009	14338.	~3.5	-19.3	2B•	283.0	23.9
	550.0	16572.	-7.2	-27.4	18.	269.4	29.7
	503.0	18990.	-12.5	-31.8	18.	564.9	32.5
	450.0	21595.	-19.4	-34.7	24.	265.0	34.6
	U*00h	24425.	-26.7	-41.1	24.	273.7	38.1
	350.0	27541.	-33.9	-46.2	27.	269.2	<b>†•</b> 9†
	300.0	31024.	-42.3			564.0	50.2
	250.0	34988.	-51.5			266.5	66.7
	200.0	39656.	-58.3			569.4	6.59
	175.0	42412.	-58.3			268.4	68.5
	150.0	455A2.	-59.2			266.2	57.1
	125.0	49318.	-61.8			268•3	47.5
	100.0	53830.	-60.3			576.9	31.2
	₩9.0	58427.	-60.7			253.2	21.2
	10.07	61134.	-62.5			262.3	1.0.L
	<b>0.0</b> 9	64286.	6*65-			231.1	3.0
	50.0	68057.	-55.9				

\*\* AT LEAST UNE ASSUMED RELATIVE HIMIDITY VALUE WAS USED IN THE INTERPOLATION.

ALTITUDE 4051.37 FEET MSL 61 DM NO. 80	FEET I	MSL.	SIGNIFICA 131 LC-3 TABLE 12	SIGNIFICANT LLVLL DATA 1310180060 LC-37 TABLE 12	AFA	GEODETIC COORDINATES 32.40175 LAT UEG 106.31232 LON DEG
a	PRESSURE MILLIBARS	PRESSURE GEOMETRIC ALTITUDE ILLIBARS MSL FEET	TEMPE AIR DEGREFS	TEMPERATUKE AIR DEWPOINT DEGREFS CENTIGKAUE	REL.HUM. PERCENT	
	1.75.6	4.151.4	36.6	3		
	472.4	4156.9	, to .	) <del>-</del>	22.0	
	850.0	0.0004	21.5	۲.	25.0	
	832.2	5500.2	20.2	<b>3</b>	.55.0	
	412.6	0172.0	18.0	-2.3	25.0	
	793.2	6848.6	16.6	7.01	20.0	
	763.2	7919.1	13.1	-4.1	30.0	
	700.0	10277.4	6.5	9.0-	33.0	
	659.0	11890.3	1.5	-8.6	47.0	
	639∙8	12670.8	2	-13.1	37.0	
	630.8	13043.1	6:-	-14.1	36.0	
	613.0	13793.1	-1.7	-16.2	32.0	
	568.8	15734.0	-6.3	-23.0	25.0	
	560.4	16117.2	-5.4	-24.8	20.0	
	552.0	16506.7	-5.6	-25.5	19.0	
	518.0	18133.8	<b>7.6-</b>	-59.5	18.0	
	500.0	19028.7	-11.7	-30.1	20.0	
	454.0	21429.6	-18.3	-32.6	27.0	
	438.6	22272.9	-20.9	-34.2	29.0	
	430.6	22719,5	-22.0	-35.5	28.0	
	416.0	23551.6	-23.7	-38.1	25.0	
	0.001	24490.5	-52.9	<b>5.05-</b>	24.0	
	345.6	27916.3	-34.2	9.94-	27.0	
	318.8	29759.7	-38.4	4.641	30.0	
	300.0	31123.9	4.54-			

STATION ALTI 11 MAY 81 ASCENSION NO	TUDE.	4051.37 FEFT M	T MSL M) T		UPPER AIK UAT 131018008U LC-37 TABLE 13	0 0 1 A 1 A		6E0DETIC 32.40 106.31	ETIC COORDINATES 32.40175 LAT DEG 06.31232 LON DEG
GFUMETRIC ALTITUDE MSL FEET	PRESSURE MILLIDAPS	TEMP AIR DEGREES	TEMPERATURE IR DEWPOINT REES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION S DEGREES(IN) K	SPEEU KNOTS	INDEX OF REFRACTION
4051.4	870.6	26.6	3.8	23.0	1014.1	675.7	180•0		1.000200
•	•	23.1	1.1	23.4		-		7.0	1.000254
20000	•	21.3	េះ	25.0	999.3	h•690	191.9		1.000250
5500.0	•	20.2	<b>†</b>	25.0	۰	668.1	195.9	9.5	1.000246
0.0000	•	18.6	•	25.0	•	2.999	200.5	•	1.000241
_	A03.1	17.3	•	22.6	_	2.499	208.5	•	1.000234
7000-0	•	10.1	6.0°	21.4	948.3	663.2	217.8	9.3	1.000229
•	•	÷	•	26.1	936.5	661.4	232.3	4.6	1.000228
8000·U	•	12.9	74.5	30.1	• •	59	245-6	11.0	1.000227
3500.0	•	11.5	5.5	30.7	912.5	657.9	253.7	12.9	1.000223
0.0006	755.0	• •	-6-1	31.4	900.5	656.3	255•1	15.5	1.000219
0.0056	•	•	1.7-	32.0	880.6	654.0	255.7	17.8	1.000215
10000.0	•	٠ . د .	0 u	32.6	8/6.9	653.0	255.0	19.3	1.000211
0.0001	681.3	0 F	• •	0.4.0.4.	000.eq	2.100	1.002	200	1.000208
11500.0		•		)	842.0	647.4	266.5	21.1	1.000208
12000.0			0	ຸດເ	831.7	64.7 64.7 9	273.7	20.3	1.000201
•	0.449		•	39.2	819.6	644.5	276.1	24.6	1.000195
13000.0	631.	B		36.1	807.2	643.3	275.6	27.6	1.000190
13500.0	619	-1.4	ညိ	33.6	793.7	642.6	275.9	30.6	1.000186
14000.0	909	-5.5	œ	31,3	781.1	641.6	276.6	32.2	1.000162
14500.0	29°	# · · · ·	-18.6	29.5	769.6	640.2	272.0	32.0	1.000179
150001	ດ ເຄີ	9.4-	-20•4	27.6	758.3	638.7	271.0	31.5	1.000175
15500.0	0.4/0	) I	225.5	25.8	74/•2	637.3	266.9	33.2	1.000172
16500.0	, 50 50 50 50 50 50 50 50 50 50 50 50 50 5	100	2.4.2	19.0	732.8	637.3	254.8	33.9	1.000168
17000.0	541.	8.4	-26.6	18.7	707	1,000	250.4 250.4 3	23.0	1.000161
17500.0		6.7-	-27.8	18.4	697.1	634.6	263.2	33.3	1.000159
18000.0	•	1.6-	-28.9	18.1	646.7	635.2	263.7	33.5	1.000156
18500.n	•	-10.3	-56.6	Œ	676.5	631.7	564.4	33.6	1.000154
19000-0		-11.6	-30.0	σ.	6,999	630.1	265.2	33.7	1.000151
19500.0	06th	-13.0	30	-	656.7	628.5	65.	35.0	1.000149
50000	084	3 · 1 [ -	31	∾:	647.1	626.8	•	36.2	0001
20500.0	1/4	-15.7	31	すし	637.6	625.1	5.65.3	37.3	1.000145
21000.0	194	-1/-1	55	വ	628.3	623.5	•	•	1.000142
21500.0	454.	-18.5	-32.7	<b>~</b> (		621.8	• <del>•</del> •	٠,	0001
22000-0		1-02-	3	0		619.9	00	39.1	1.000158
2500.	0.404	-21.5	• <del>•</del> •	r x	<b>:</b> .	618.1	50/02		0001
2.5000.0	420.0	-22.6	136.4	27.0	591.6	610.8	7.662	3.4.0 7.4.0	1.000133
2000	•	•	•	^	9•1·C	តំ	0	٠	7000

STATION ALTITUDE		4051.37 FEET MSL	I MSL MDT		UPPER AIN DATA 131018008U LC-37	UATA 80		GEODETI 32.	GEODETIC COOKDINATES
ASCENSION NO.	.00 89			,	TABLE 13 CON'T	1,N0		106.	31232 LON DEG
GEUMETRIC ALTITUDE MSL FEET	PRESSURE MILLIBARS		TEMPERATURE AIK DEMPOINT DEGREES CENTIGRADE	REL.HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION SI DEGREES(TN) KI	TA SPEED KNOTS	INDEX OF REFRACTION
24000.0		124.8	-39.2	24.5	572.5		270.1	34 • 1	1.000129
24500•0	399.8	-25.9	7.07-	24.0	563.3		270-1	34.1	1.000127
0.000c7	391.4	-27.1	-41.3	24.4	554.1		270.1	34.1	1.000124
25500.0	383.1	-28.3	-42.2	54.9	545.1		509.6	34.5	1.000122
26000.0	375.0	-29.6	-43.1	25.3	530.3		270.0	33.4	1.000120
co500.0	367.1	-30.8	0.44-	25.8	527.6		5.072	30.3	1.000118
27000.0	355.4	-32.0	6 • 1: 10 -	26.2	519.1		272.0	24.2	1.000116
27500.0	351.8	-33.2	-45.8	26.6	510.7		209.5	35.8	1.000114
0.00083	344.3	-34.4	-46.7	27.1	502.4		4.197	54.8	1.000112
28500.0	330.9	-35.5	4.7.4	27.9	493.B		560.1	69.7	1.000111
29000.0	329.6	-36.7	-48.5	28.8	485.5		265.5	58.2	1.000109
29500.0	324.4	-37.8	0.64-	9.62	477.3		265.1	52.9	1.000107
30000	315.4	-39.1	-51.7	24.7**	4.694		264.8	51.7	1.000105
30500.0	308.5	9.04-	-57.7	13.7**	462.0				1.000103
31000.0	501.7	-42.0	-10.6	2.7**	454.7	592.3			1.000101

\*\* AI LEAST ONE ASSUMED RELATIVE HIMIDITY VALUE WAS USED IN THE INTERPOLATION.

6EODETIC COORDINATES 32-40175 LAT LEG 106-31232 LON CEG	WIND DAIA	ES(TN) KNOTS					5 23.2							
	UIRE	DECKE	191.0	210.	253	254	276.1	276.	263	265	564	270.	<b>5</b> 68•	
EVEL S	REL.HUM. PERCENT	1	25.	22.	31.	33.	42.	30.	19.	20.	28.	24.	27.	
MANDATORY LEVELS 131010000 LC-37 TABLE 14	TEMPERATURE ATR DEMPOINT	ENTIGRADE	. 7	6.4-	-5.0	ე• <b>8</b> −	-10.0	-18.1	-25.7	-30.1	-33.0	7.07-	0.94-	
4.4 AT	TEMPE	DEGREFS C	21.5	17.1	11.8	6.5	.7	-3.0	-5.A	-11.7	-19.0	-25.9	-33.5	-42.4
1 mst mD1	PRESSURE GEOPOTENTIAL	FEET	4896.	6605.	8392.	10267.	12241.	14335.	16579.	19002.	21614.	24450.	27574.	31062.
06 4051.37 FFF	PRESSURE G	MILLIBAKS	856.A	0.008	750.0	700°n	0.956.0	0.009	550.0	500.0	450.0	400.0	350.0	300.0
STATION ALIITUDE 4051.37 FFF1 MSL 11 MAY 81 12°C MRS MDT ASCENSION NO. 80														

\*\* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

ON ALTITUDE 4051.37 FEET MSL Y 81 ISION NO. 81	SIGNIFICANT LEVEL DATA 1310180081 LC-37 TABLE 15	. LEVEL L	V - A	UEODETIC COOKDIMATES 32.40175 LAT UEG 106.31232 LON DEG
PRESSURE GFOMETRIC ALTITUDE MILLIBARS MSL FEET	C TEMPERATURE AIR DEWPOINT DEGREES CENTIGHADE	URE POINT ITIGRADE	REL.HUM. PERCENT	
874.6 4051.4	28.4	-1.6	14.0	
869.6 4217.3		-1.2	17.0	
		• •	0.07	
		0 X	0.10	
		\$ 6-	24.0	
~	8.0	11,3	24.0	
		11.9	26.0	
		13.0	30.0	
		13,9	40.0	
		.14.9	43.0	
_		17.9	38.0	
566.8 15825.9		.22.7	26.0	
_	- 7.7	.56.7	20.0	
		30.2	18.0	
500.0 19013.4		31.4	19.0	
		33.7	19.0	
		35.7	27.0	
		38.5	27.0	
-		40.7	25.0	
		43.6	25.0	
331.2 28845.0		49.1	29.0	
	-42.8			
300.0 31061.9	43.4			

11 12 COMDINATES 12 3 4 0 1 75 LAT DEG 16 3 12 3 2 LON DEG		TRUEX	HLF RACTION	1.000247	1.000248	1.000246	1.000241	1.000236	1.000232	1.000228	1.000224	1.000220	.00021	#12000·1	1.000211	1.0000.1	00000	1.000199	1.000195	1.000193	1.000191	1.000188	1.000185	1.000162	1.000178	1.000173	1.000169	.0001	1.000162	1.000156	1.000154	1.000151	00014	1.000147	1.000144		1.000140	0001	ñ	0001	1.000131
100 1 100 100 100 100 100 100 100 100 1		V1	K140T3	6.6	11.5	13.5	15.7	16.9	16.6	16.2	3.41	2.5	\ 	0.01	17.1	- G	0 * 00 0	19.7	14.6	11.1	13.8	25.53	26.4	30.2	32.6	33.6	34 - 4	3.4.6	3 <del>-</del> 5	4 - 6 - 6	53.65	34.5	35.2	35.3	3.5 . 4	35.1	35.0	35.1	35.4	35.7	36.11
		WIND DATA	DEGREES(IN)	260.0	208.1	274.8	74.	261.5	280.2	278.7	273.0	50105	259.5	0.040	20Z+2		25.3.4	259.5	263.4	_	559.6	255.0	555.9	261.5	270.1	278.0	281.4	281.3	280.1	274.3	271.7	269.7	268.7	269.4	•	71.	÷	70.	70.	270.6	:
7414 31		SPEED OF		677.3	673.2	671.4	2.699	0.899	666.3	•	665.9	1.199	659.3	7.100	020.0	657.B	650	0.000	647.1	645.5	643.9	642.5	640.5	638.9					633.9		630.4	629.0	627.4	625.8	624.2	622.5	650.9	619.3	617.7	16.	614.4
UPPER AIN DAI 1310180081 LC-37	TABLE 16	DENSITY	METER	1008.0	1004.6	992.4	979.9	9.196	955.5	943.5	931.7	0.026	908.5	• •	804.8	861.4	100 100 100 100 100	839.7	828.7	817.2	806.0	794.9	783.9	73.	761.6	746.4	735.6	723.B	712.2	6.00°	679	668.6	658.7		39.	S	20.	_	:	26	•
-	1	REL.HUM. PERCENT	•	14.0	18.3	20.0	20.0	20.0	20.0	20.0	20.1	20.6	21.2		0.40	94.90	26.7	28.6	30.8	33.6	36.4	39.3	41.5	45.0	38.6	31.3	24.6	20.6	19.4	۰α	18.4	Φ	19.0	19.0	ċ	ċ	3	ŝ		27.0	•
T MSL MD∰		TEMPERATURE OFWPOINT	SENT I GRADE	-1.6	-1.0	•	-2.5	-3.4	•	•	0.7-	•	5 C C	3 0	-10.7	?=	-12-1		-13.0	-13.2	-13.4	-13.8	-14.4	-15.5	-17.5	-20.4	-23.6	-26.2	-27.6	0.67	30	-31.3	-32.4	-33.5	•	-34.3	-34.7	-35.2	-35.7	36.	-38.0
1.37 FEET MSL 300 HRS MÜT		TEMP	DEGMEES	28.4	24.7	23.1	21.7	20.5	18.8	17.4	15.4	* · · ·	17.0		7. H	7.0	י ייי	0 e	2.4	1.0	<b>†</b>	-1.7	-3.2	-4.5	-5.7	-6.2	7.9-	9./-	Ω = 1	-10-3	•	-12.6	-13.9	-15.2	-16.5	-17.9	-19.2	-20.5	-21.8	123.1	<del>'</del>
STATION ALTITUDE 4051. 11 MAY 81   130 ASCENSION NO. 81		PRESSURE	MILLIUARS	874.6	861.1	846.1	831.3	816.7	802.4	786.3	<b>5.57</b>	2007	73.5.5	720.2	70/02	694.2	681.4	668.8	650.4	0.449	631.9	620.1	608.3	590.7	585.3	574.0	263.0	1.756	9 T 1 C	520.5	510.3	500.3	h*06h	480.6	471.0	461.5	452.1	٠ ر	34.	ς.	+ · 0 [ +
STATION ALTI 11 MAY 81 ASCENSION NO		GEUMETRIC	MSL FEET	4051.4	4500.0	2000.0	5500·0	0.0000	6500.0	0.0007	0.0067	0.0000	0.000	0.0000	10000	10500-0	11000•0	11500.0	12000.0	12500.0	13000.0	13500.0	14000.0	14500.0	15000.0	15500.0	10000.0	16500.0	1.000.0	18000.0	18500.0	19000.0	19500.0	200 <b>00.0</b>	70200.0	21000.0	21500.0	2000-	22500.0	25000.0	7.0000

110N AL 4AY 81 ENSION	STATION ALTITUDE 4051.37 FEET MSL 11 MAY 81   13 00 HRS MDT ASCENSION NO. 81	3 00 HRS	M DT	•	1310180081 LC-37 TABLE 16 CON'T	B1 JN'T		1000 P	50 11C COOKDINATES 75-40175 LAT DEG 106-51232 LOH DEG
GEOMETRIC ALLITUDE MSL FEET	PRESSURE MILLIBARS	TEMF AIR Degrees	TEMPERATURE AIR DEWPOINT DEGREES CENTIGRADE	REL HUM. PERCENT	DENSITY GM/CUBIC METER	SPEED OF SOUND KNOTS	WIND DATA DIRECTION SP DEGREES(TR) KA	NTA SPELD RIMOTS	INDEX OF PEFRACTION
0.00		-25.7		26.2	573.9		271.5	\$6.4	1.000129
24500.0		-26.8	-40 • 8	25.0	564.6	611.5	569.9	18.4	1.000127
0.00		-28.0		25.0	555.5		264.7	40.9	1.000125
25500.0		-29.5		25.0	546.6		267.8	44.1	1.000123
26000.0	374.7	-30.5		25.3	537.8		267.5	44.7	1.000121
0.00	366.6	-31.8		52.9	529.0		267.4	5.44	1.000119
0.00	354.A	-33.0		26.6	520.4		267.3	43.8	1.000117
0.00	351.1	-34.3		27.2	512.0	602.1	267.7	40.6	1.000115
0.00	343.6	-35.6		27.9	503.7		509.9	\$0.08	1.000113
0.00	330.2	-36.8		28.5	495.5		270.9	29.1	1.000111
0.00	324.9	-38.1		26.5**	487.5		568∙8	0.04	1.000109
29500.0	321.7	-39.5		18.5**	479.7				1.000107
00.0	314.6	-41.0		10.5**	472.0				1.000105
0.00	507.7	-42.4		5.4**	<b>†*†9†</b>				1.000103
0.00	300.8	-43.3			456.0				1.000102

\*\* AT LEAST ONE ASSUMED RELATIVE HUMIDITY VALUE WAS USED IN THE INTERPOLATION.

11日間関係を発しています。

ON ALTITU 1 81 SION NO.	ON ALTITUDE 4051.37 FEFT MSL T 81   1300 HRS MDT SION NO. 81	MSL MD1	2 P	MANDATORY LEVELS 1310180081 LC-37 TABLE 17	EVELS 81		GEODETIC COORDINATES 32.40175 LAT DEG 106.31232 LON DEG
	PRESSURE 6	PRESSURE GEUPOTENTIAL	TEMP	TEMPERATURE	KEL . HUM.	ALMO DATA	
	MILLIBAI'S	FEET	AIR DEGREES	DEGREES CENTIGRADE		DEGREES (TN)	) KNO1S
	A50.0	4868.	23.5	7	20•	273.2	13.0
	800.0	6586.	18.6	9.7-	20.	280.0	10.6
	750.0	6382.	13.2	-8.7	21.	261.3	12.8
	700.n	10265.	8.0	-11.3	24•	250.5	18.0
	650.0	12247.	1.7	-13.1	32.	504.6	10.9
	6.009	14341.	2.4-	-14.9	43.	258.7	29.5
	550.0	16576.	-7.7	-26.7	20•	281.1	34.6
	500.0	18987.	-12.6	-31.4	19.	269.7	34.5
	450.0	21590.	-19.5	-34 • 8	24.	271.2	35.0
	0.004	24420.	-26.7	2.04-	25.	270.1	38.2
	350 ⋅ 0	27533.	-34.5	-46.7	27.	267.9	39.2
	0.005	31000.	4.3.4				

